

### Abstract of the Disclosure

Provided are a super twisted nematic (STN) liquid crystal display (LCD) driver and a driving method of the STN LCD driver. The STN LCD driver includes a sub frame counter, an N clock counter, a frame counter, and a liquid crystal polarity inversion signal generator. The sub frame counter counts the number of sub frames in response to a clock signal and generates a sub frame flag signal when each sub frame is counted. The N clock counter receives an N-line signal and generates an N-line flag signal when the number of N-line counted is N in response to the clock signal. The frame counter receives a frame rate control (FRC) selection signal, counts the number of the sub frame flag signal, and generates a frame flag signal when the number of the sub frame flag signal counted is n. The liquid crystal polarity inversion signal generator receives one of the sub frame flag signal, the N-line flag signal, and the frame flag signal in response to the FRC selection signal, and generates a liquid crystal polarity inversion signal that inverts a polarity of an STN LCD.

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